

OFI001.823308  
Customer No.: 054042

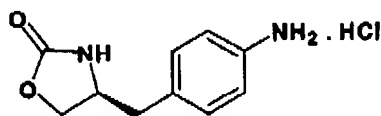
**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. (Currently Amended) Process for preparing a pharmaceutically active compound, zolmitriptan, ~~or a pharmaceutically acceptable salt thereof~~, which comprises:

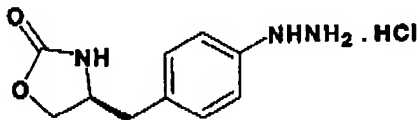
a) Preparation of the diazononium salt from the aniline hydrochloride of formula

(II)



(II)

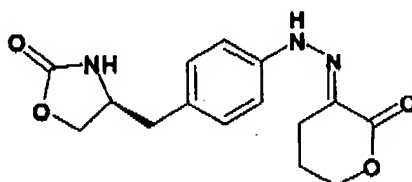
followed by reduction and acidification to give the hydrazine of formula (III):



(III)

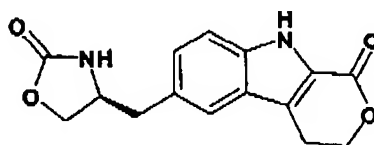
b) *In situ* reaction of the hydrazine hydrochloride of formula (III) with  $\alpha$ -keto- $\delta$ -valerolactone, to give the hydrazone of formula (IV):

OFI001.823308  
Customer No.: 054042



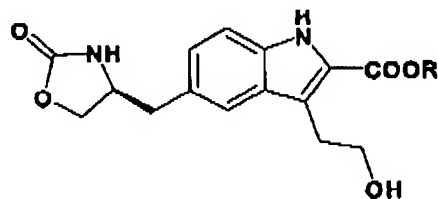
(IV)

c) Fischer indole synthesis of the hydrazone of formula (IV), to give the pyranoindolone of formula (V):



(V)

d) Transesterification of the pyranoindolone of formula (V), to provide the compound of formula (VI):

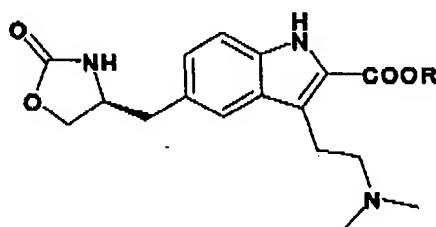


(VI)

in which R represents a straight or branched C1-C4 alkyl chain;

OFI001.823308  
Customer No.: 054042

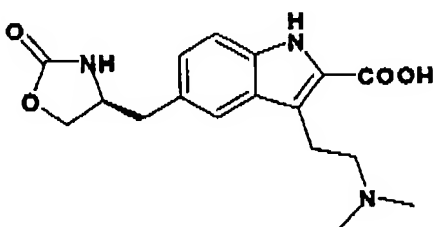
e) Conversion of the hydroxyl group of the compound of formula (VI) into dimethylamino, to give the indolecarboxylate of formula (VII):



(VII)

in which R represents a straight or branched C1-C4 alkyl chain;

f) Saponification of the 2-carboalkoxy group of the compound of formula (VII), to give the indolecarboxylic acid of formula (VIII):



(VIII)

and

g) Decarboxylation of the indolecarboxylic acid of formula (VIII), to give zolmitriptan ~~and~~,

OFI001.823308  
Customer No.: 054042

~~eventually, the preparation of a pharmaceutically acceptable salt thereof.~~

2. (Previously Presented) Process as claimed in Claim 1, wherein said stage c) is carried out in a solution of dry hydrogen chloride in acetic acid.

3. (Previously Presented) Process as claimed in Claim 1, wherein said stages c) and d) are carried out in a one pot reaction.

4. (Previously Presented) Process as claimed in Claim 1, wherein said stages c) and d) are carried out in a solution of dry hydrogen chloride in a straight or branched C1-C4 alcohol chain.

5. (Previously Presented) Process as claimed in Claim 1, wherein said stage e) is carried out in two steps:

e-i) replacement of the hydroxyl group of the compound of formula (VI) by a leaving group X; and

e-ii) subsequent substitution reaction of the leaving group X with dimethylamine to provide the compound of formula (VII).

6. (Previously Presented) Process as claimed in Claim 5, wherein said leaving group X is chosen between an atom of halogen, a mesylate group or a tosylate group.

7. (Cancelled)

8. (Cancelled)

OFI001.823308  
Customer No.: 054042

9. (Cancelled)
10. (Cancelled)
11. (Cancelled)
12. (New) Process as claimed in Claim 1, wherein zolmitriptan from step g) is further reacted to form a pharmaceutically acceptable salt thereof.